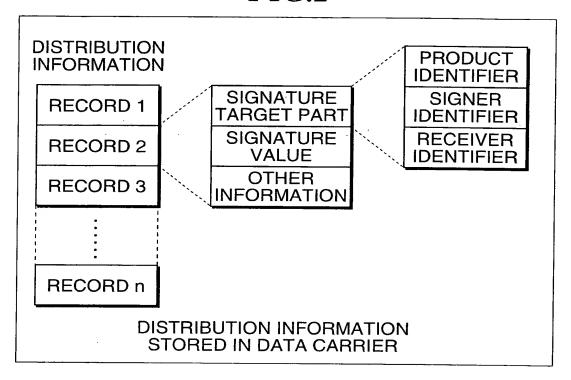


BASIC STRUCTURE





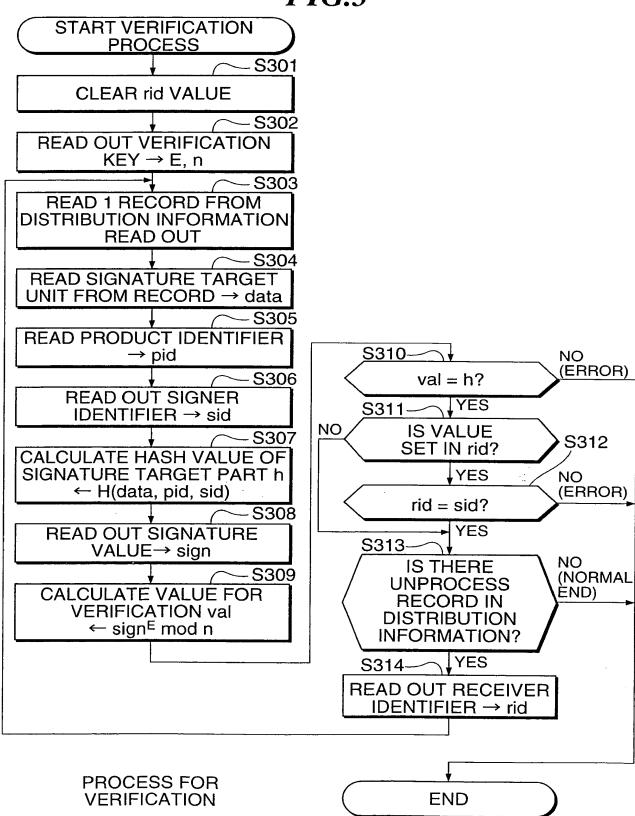
FIG.2



-



FIG.3



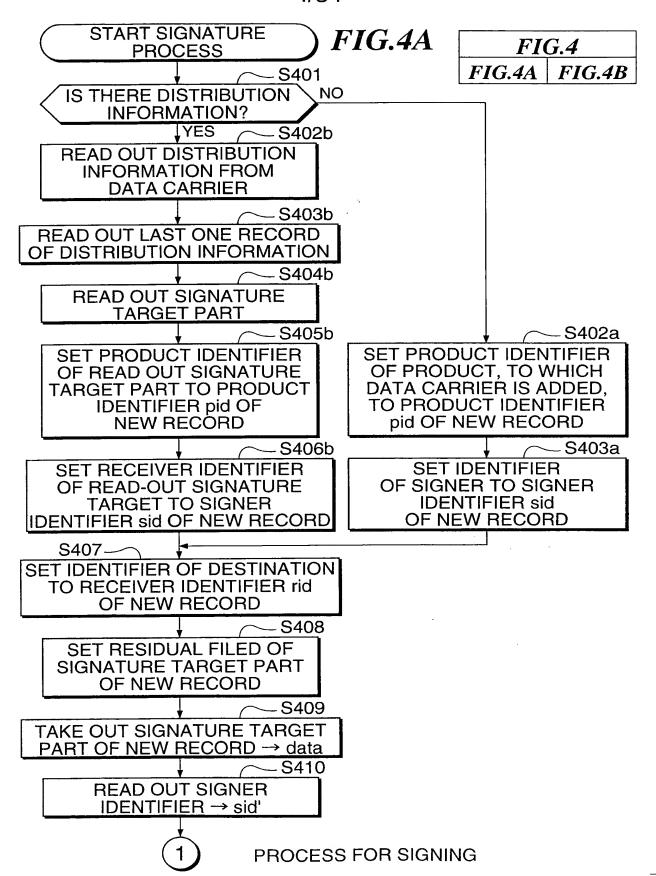
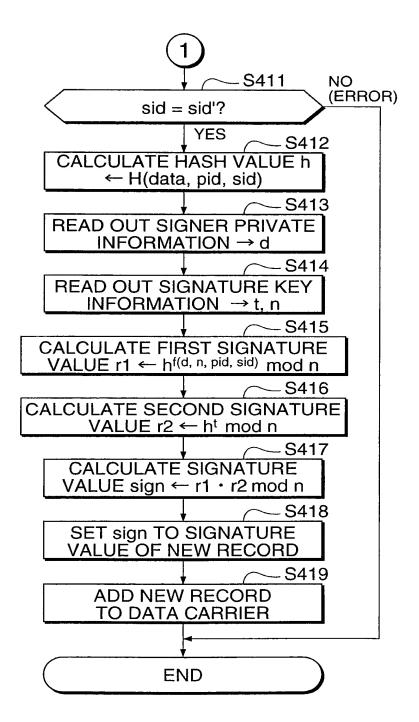




FIG.4B

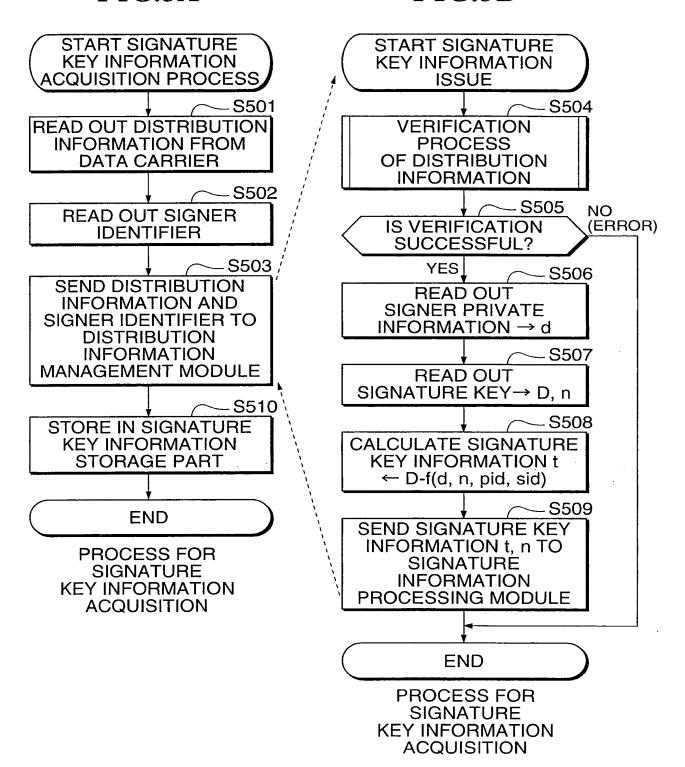


PROCESS FOR SIGNING



FIG.5A

FIG.5B





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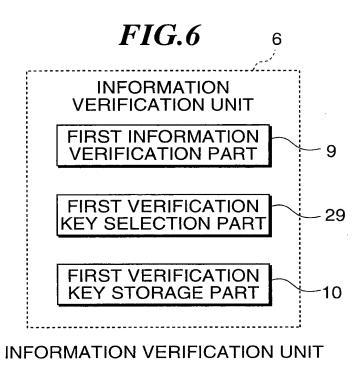


FIG.7

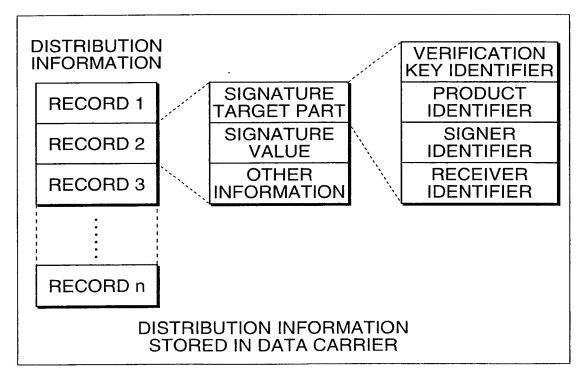




FIG.8

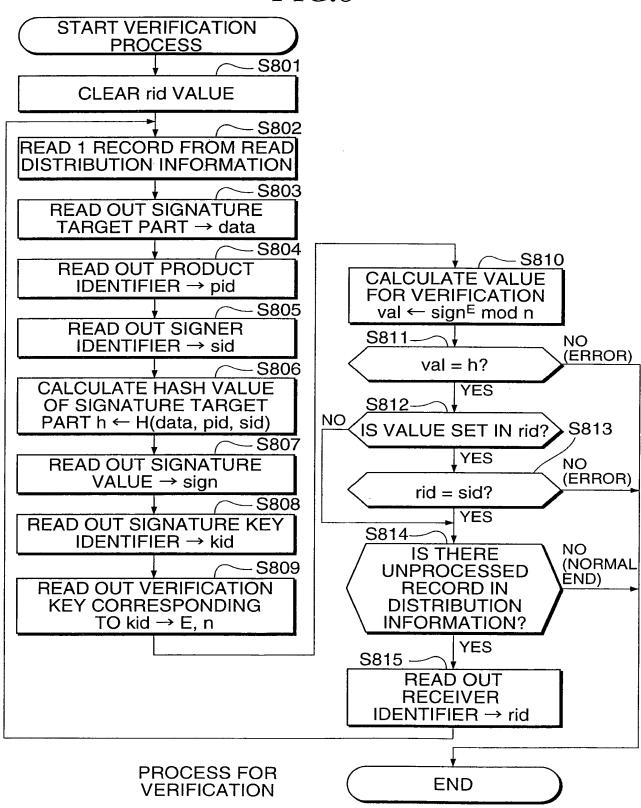
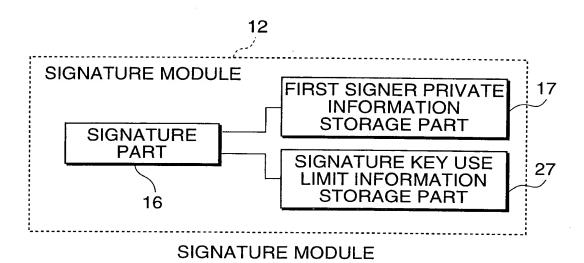
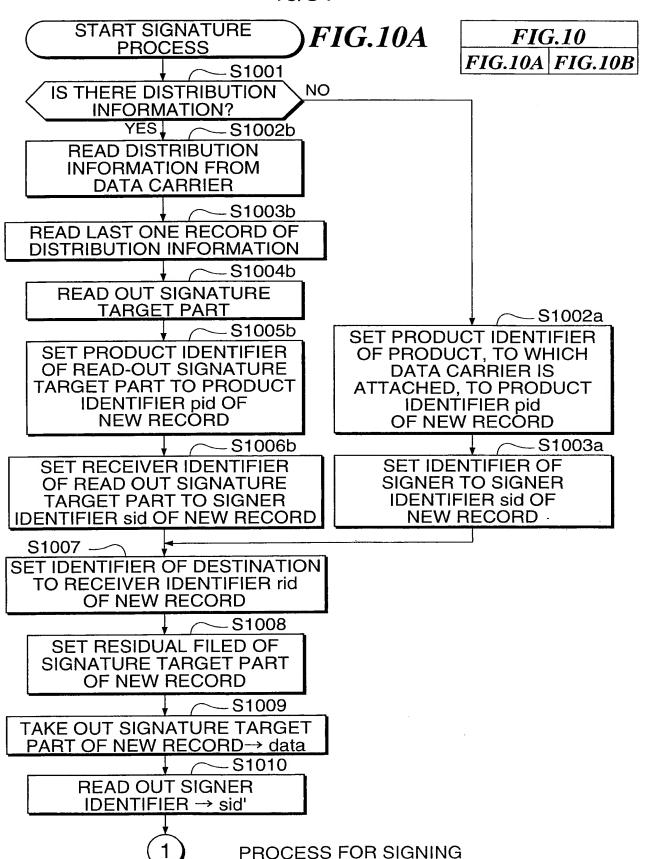




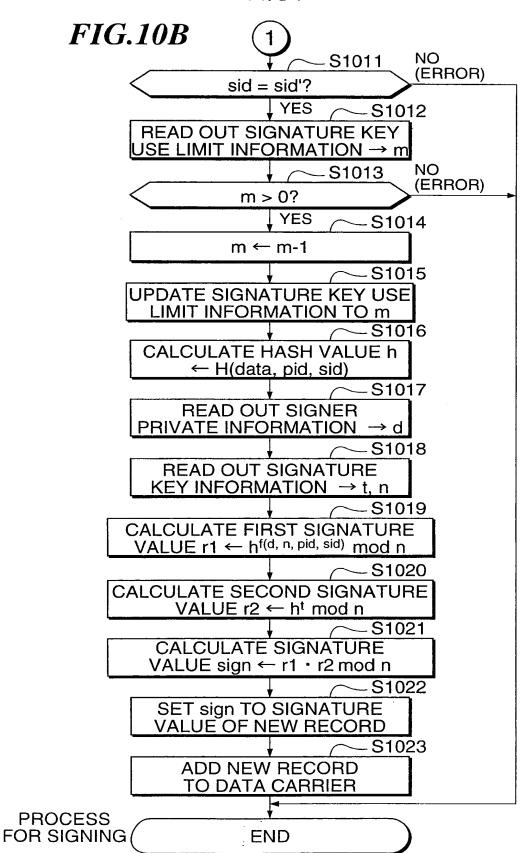
FIG.9



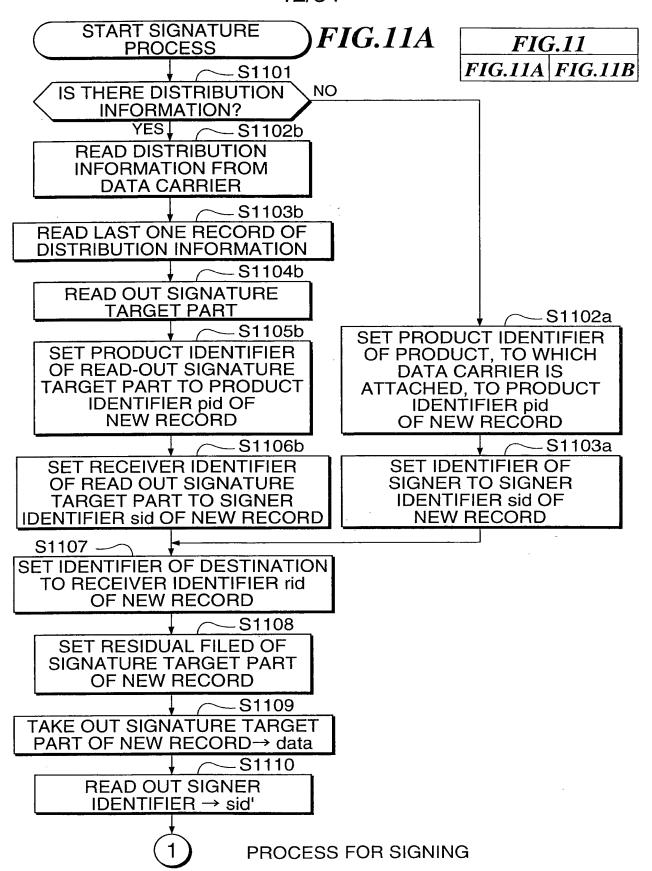








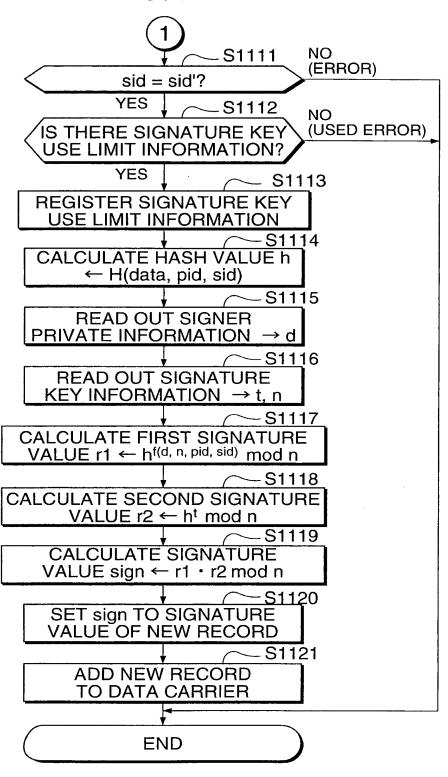






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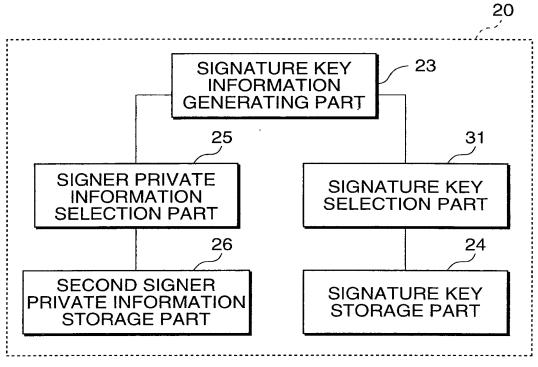
FIG.11B



PROCESS FOR SIGNING



FIG.12



SIGNATURE KEY INFORMATION GENERATING MODULE



FIG.13A

FIG.13B

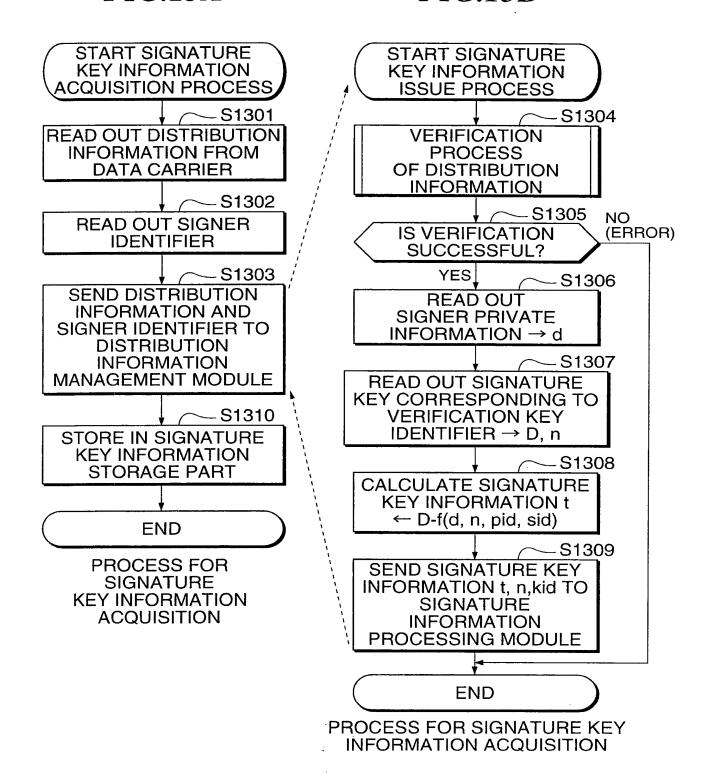




FIG.14

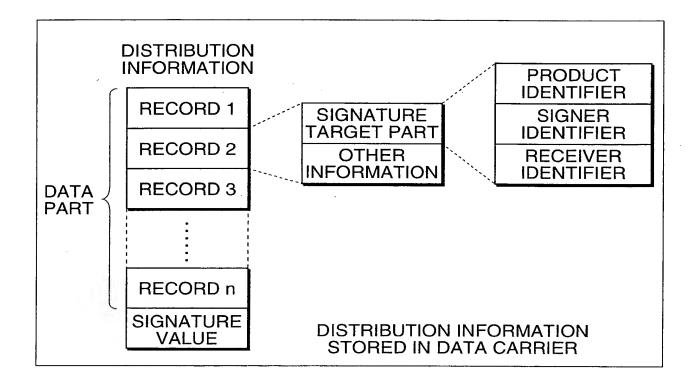
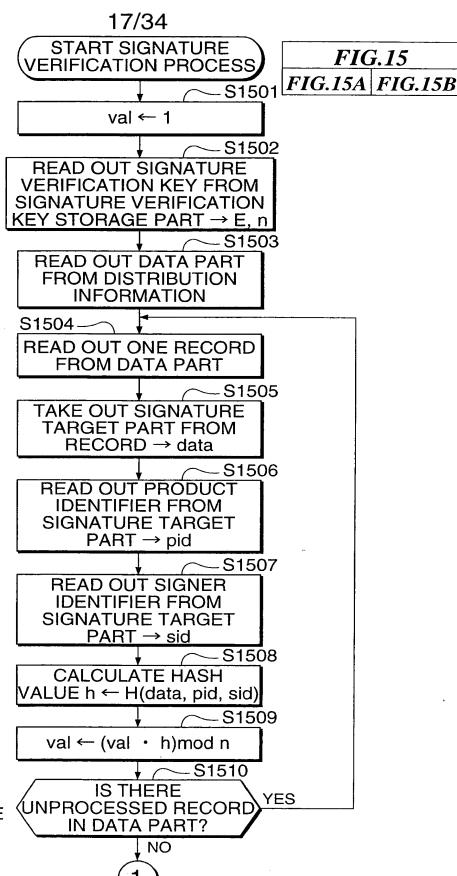




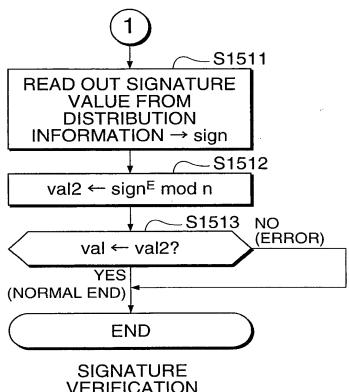
FIG.15A



SIGNATURE
VERIFICATION
PROCESSIN
THE CASE WHERE
THERE IS ONLY
ONE SIGNATURE
VALUE IN DATA
CARRIER

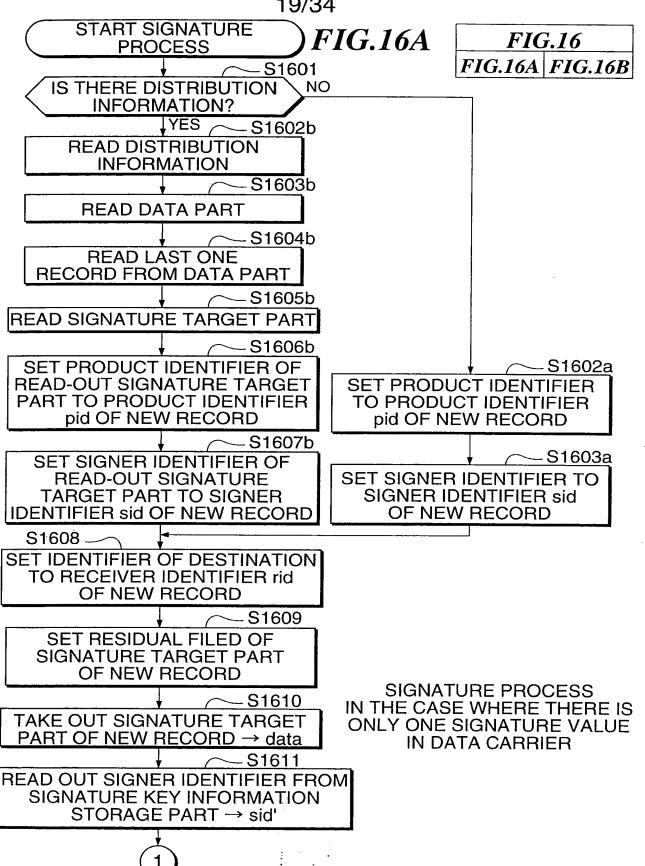


FIG.15B

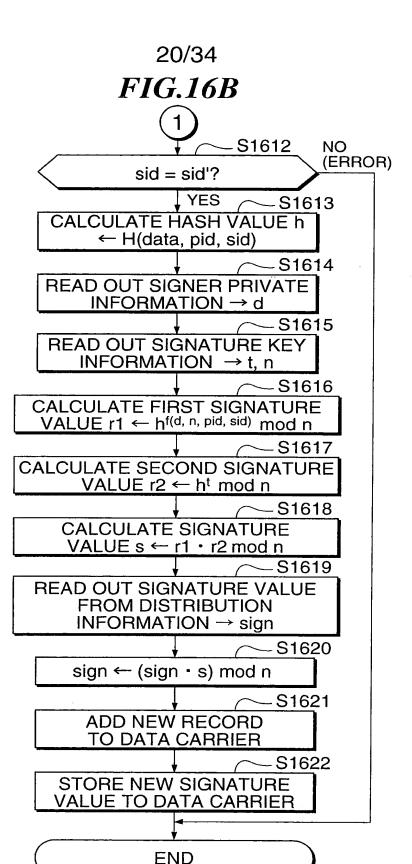


SIGNATURE
VERIFICATION
PROCESSIN
THE CASE WHERE
THERE IS ONLY
ONE SIGNATURE
VALUE IN DATA
CARRIER





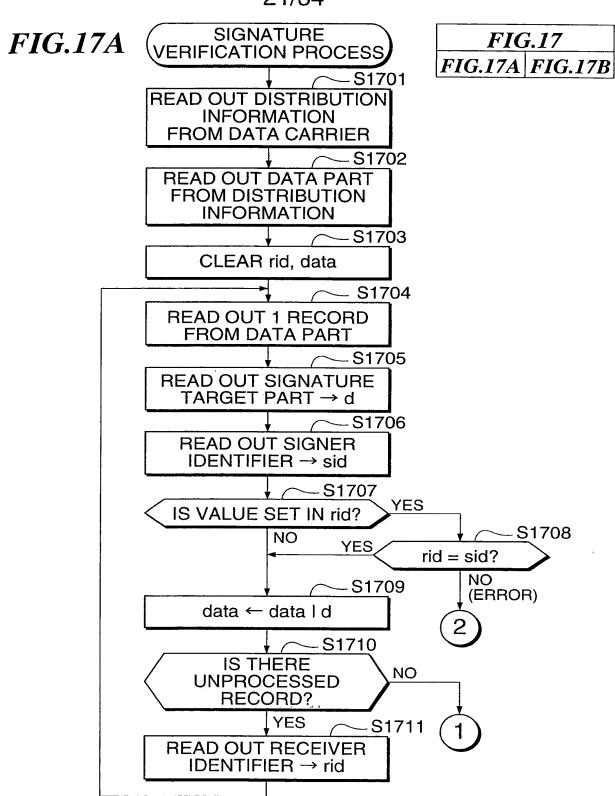




SIGNATURE PROCESS IN THE CASE WHERE THERE IS ONLY ONE SIGNATURE VALUE IN DATA CARRIER



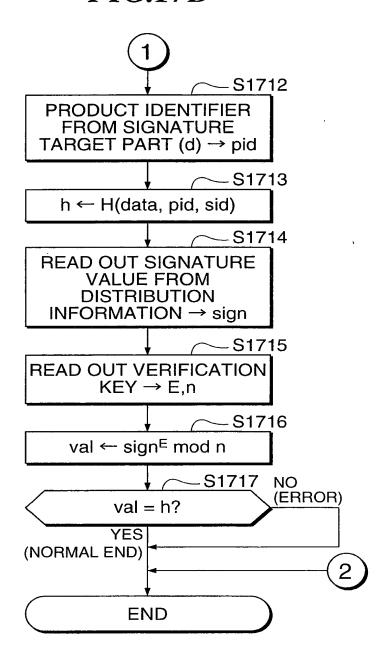
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VERIFICATION PROCESS IN THE CASE WHERE SIGNATURE IS ADDED TO THE WHOLE (ONE VERIFICATION KEY)

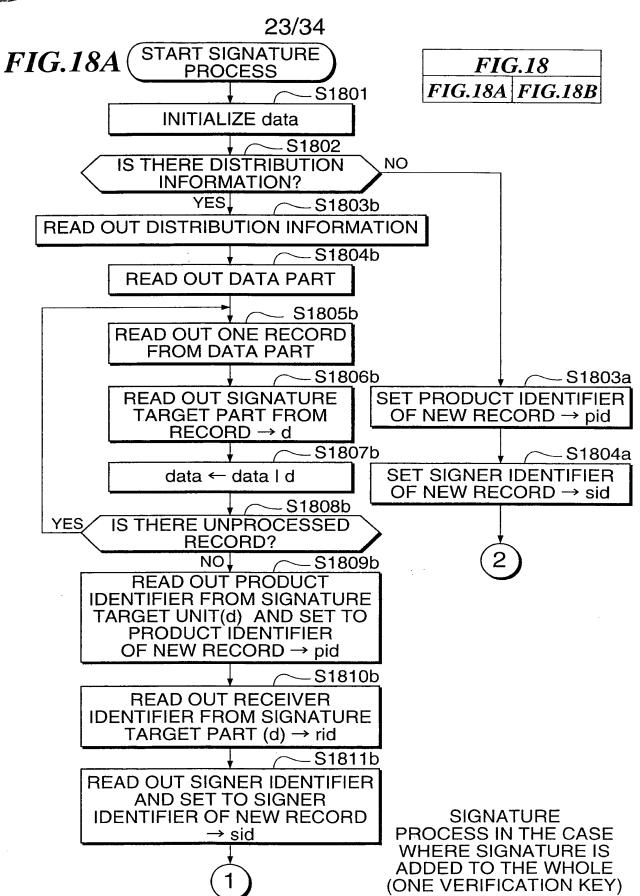


FIG.17B



VERIFICATION PROCESS IN THE CASE WHERE SIGNATURE IS ADDED TO THE WHOLE (ONE VERIFICATION KEY)







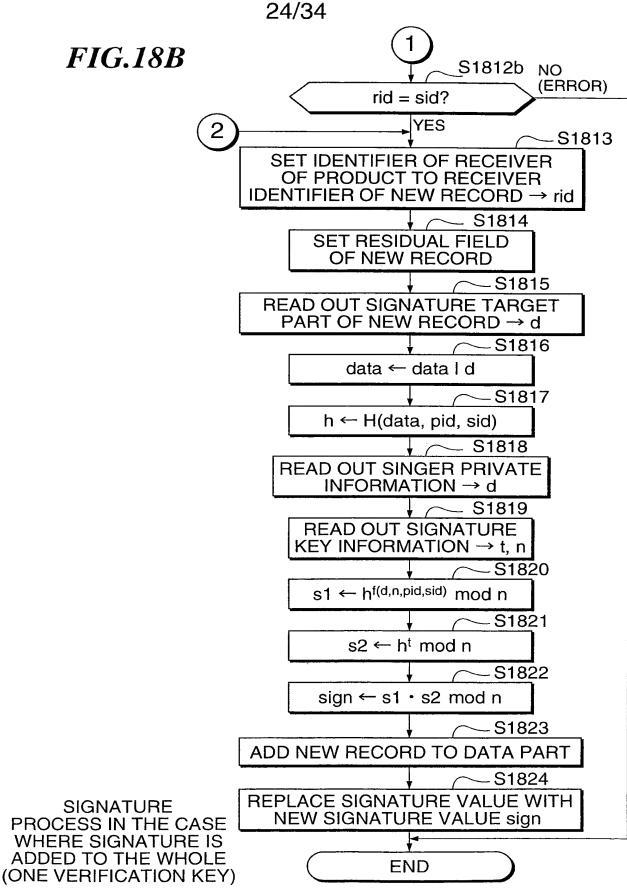
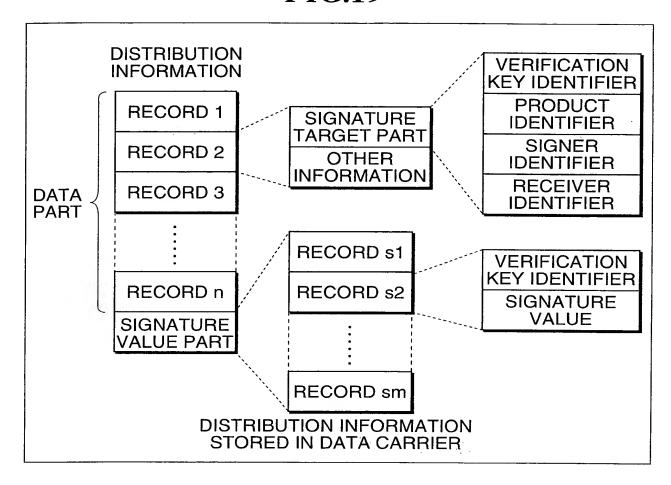




FIG.19





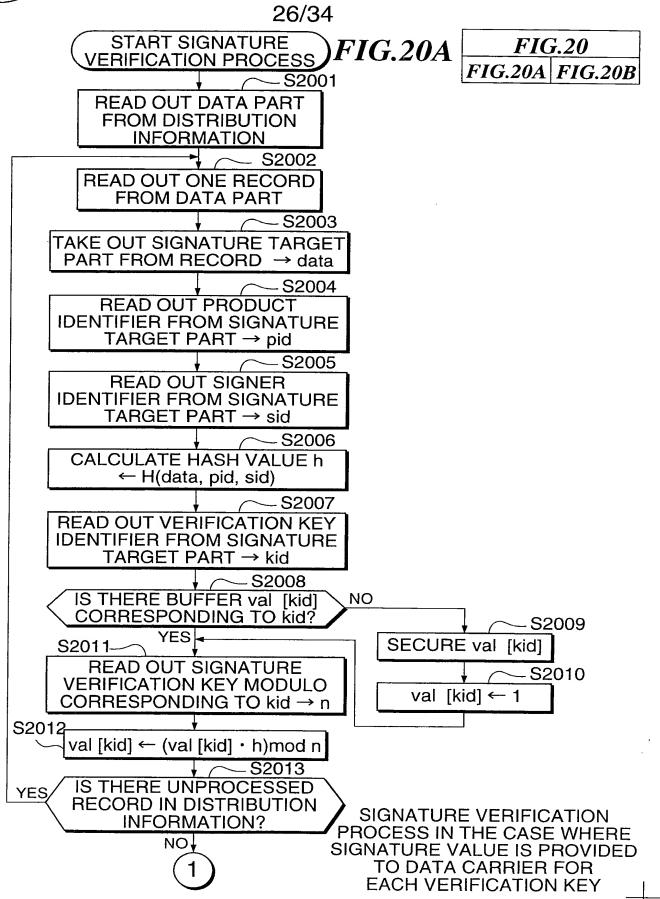
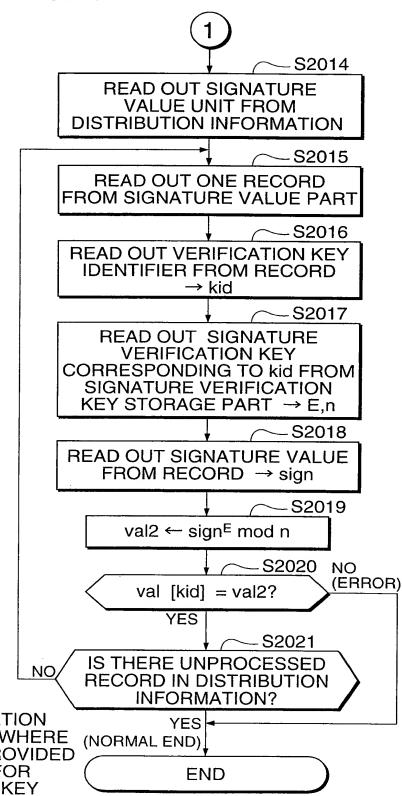


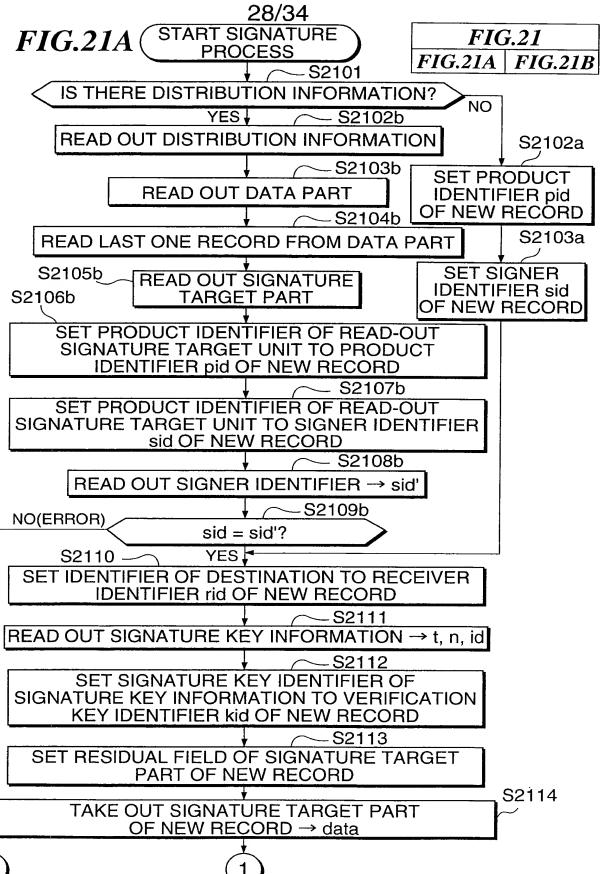


FIG.20B

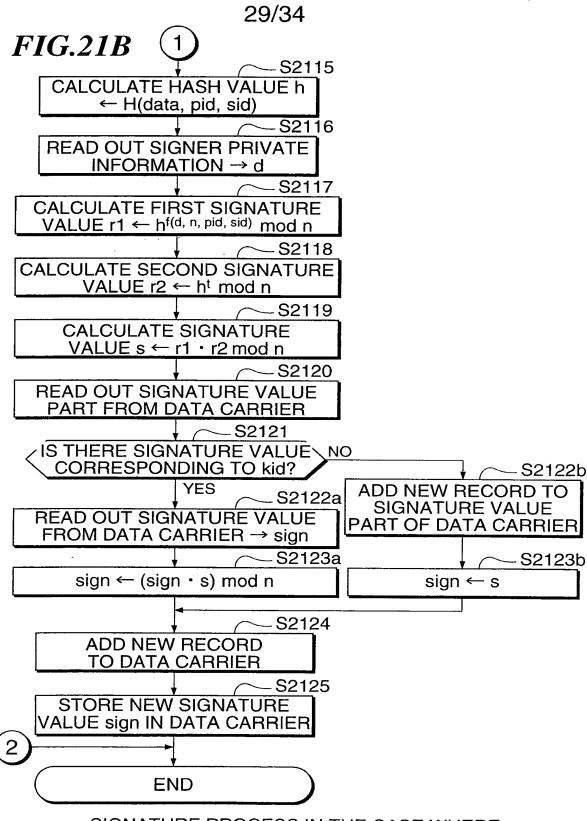


SIGNATURE VERIFICATION
PROCESS IN THE CASE WHERE
SIGNATURE VALUE IS PROVIDED
TO DATA CARRIER FOR
EACH VERIFICATION KEY



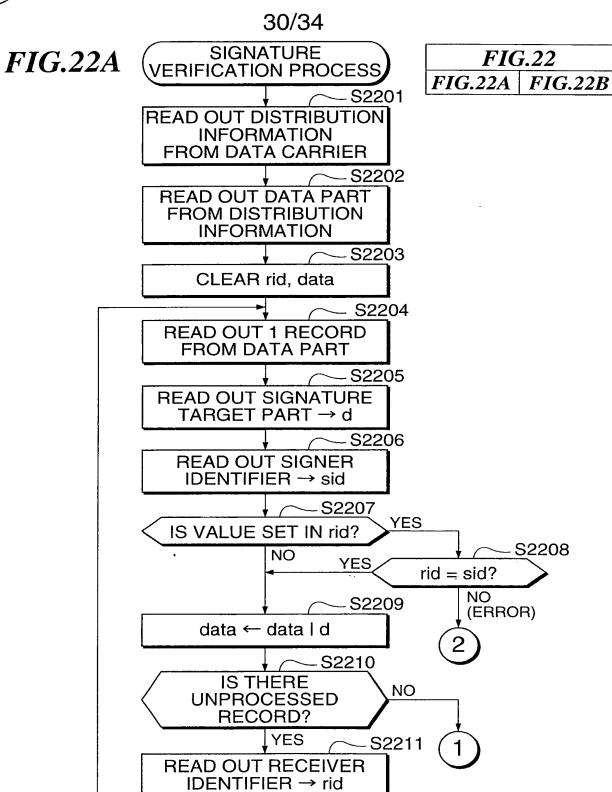






SIGNATURE PROCESS IN THE CASE WHERE SIGNATURE VALUE IS PROVIDED IN DATA CARRIER FOR EACH VERIFICATION KEY

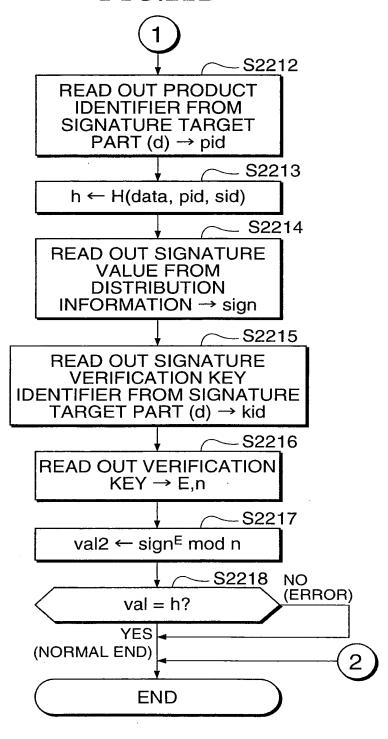




VERIFICATION PROCESS IN THE CASE WHERE SIGNATURE IS ADDED TO THE WHOLE (PLURAL VERIFICATION KEYS)



FIG.22B



VERIFICATION PROCESS IN THE CASE
WHERE SIGNATURE IS ADDED TO THE WHOLE
(PLURAL VERIFICATION KEYS)

